

EENS Job Risk Assessment

Name(s) of Risk Team Members: Y. Celebi C. Dodge, L. Gerlach, Y. Lee L. Milian, S. Ferrone, J. Boccio, P. Carr (facilitator)	Point Value → Parameter ↓	1	2	3	4	5
Job Title: 90-Day Satellite Accumulation Area Job Number or Job Identifier: EENS-JRA-003 JRA Date:	Frequency (B)	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift
Job Description: Operating and maintaining 90-Day and Satellite Accumulation Areas (SAA), containing hazardous/industrial waste.	Severity (C)	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability
Training and Procedure List (Optional): RCRA 90-Day Area Manager, Hazardous Waste Generator Training, Lab Standard Training, SBMS Subject Area Hazardous Waste Management, SBMS Subject Area Working with Chemicals (WWC) SBMS Subject Area	Likelihood (D)	Extremely Unlikely	Unlikely	Possible	Probable	Multiple
Approved by: Date: Rev. #: Draft						
Stressors (if applicable, please list all): Weather conditions	Reason for Revision (if applicable):				Comments: 90D Areas control by Manager; SAAs by the PI. Mixed waste covered in Radioactive Waste JRA	

				Before Additional Controls						After Additional Controls						
Job Step / Task	Hazard	Control(s)	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction

EENS Job Risk Assessment

Job Step / Task	Hazard	Control(s)	Before Additional Controls						Control(s) Added to Reduce Risk	After Additional Controls						% Risk Reduction
			Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD		Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	
Weekly inspection of 90-Day Areas, various audits or assessments	Overcrowding causing accidents	Special pick-up request, aisle way designation, Weekly Insp., Tier 1 Insp., temp area set-up	Y	1	1	2	2	4								
Weekly inspection of 90-Day Areas, various audits or assessments	Chemical injury to skin or eyes from hazardous waste	Training, procedures, compliance with regulations, MSDS, volume controls, PPE as required, locked or controlled areas, postings, labeling, proper containers, segregation, spill cleanup equipment available, Tier 1 inspections, 90-Day Area controls	Y	1	3	2	2	12								
	Poisoning from toxic hazardous waste (inhalation, skin absorption)	Training, procedures, compliance with regulations, MSDS, volume controls, PPE as required, locked or controlled areas, postings, labeling, proper containers, segregation, spill cleanup equipment available, Tier 1 inspections, 90-Day Area controls, notification to Manager of special toxic hazards and special pick-up or remote storage	Y	1	3	2	2	12								

EENS Job Risk Assessment

				Before Additional Controls						After Additional Controls						
Job Step / Task	Hazard	Control(s)	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
	Container failure resulting in cuts or chemical exposure	Training, procedures, proper PPE, use of proper containers, inspection of and careful handling chemical containers	Y	1	3	2	2	12								
Weekly inspection of 90-Day Area (cont'd)	Combustion or explosion of hazardous materials	Training, procedures, compliance, MSDS, volume controls, PPE as required, locked or controlled areas, postings, labeling, proper containers, segregation, spill cleanup equipment available, Tier 1 inspections, 90-Day Area controls, fire extinguisher	Y	1	3	3	2	18								
Hazardous material handling/transfer (adding or removing waste) in satellite and 90-day areas	Mixing incompatible chemicals	Training, procedures, MSDS, labeling, proper containers, secondary containment, Tier 1Insp., WWC & Haz Waste SA listings, postings, separate secondary containers, compliance,	N	1	4	2	2	16								

EENS Job Risk Assessment

				Before Additional Controls						After Additional Controls						
Job Step / Task	Hazard	Control(s)	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
	Chemical injury to skin or eyes from hazardous waste	Training, procedures, compliance, MSDS, volume controls, spill cleanup equipment available, PPE as required, locked or controlled areas, postings, labeling, proper containers, segregation, Tier 1 inspections, 90-Day Area controls, Experiment Safety Reviews (ESRs)/Work Permits	N	1	4	2	2	16								
Hazardous material handling/transfer (adding or removing waste) in satellite and 90-day areas	Breaking container while opening, handling or during transfer, causing cuts or chemical exposure	Use of procedures, proper PPE, training, use of proper containers, use of high quality containers, carefully handling chemical containers, containment	N	1	4	2	3	24								
	Poisoning from toxic hazardous waste (inhalation, skin absorption)	Training, procedures, compliance, MSDS, volume controls, PPE as required, locked or controlled areas, postings, labeling, proper containers, segregation, spill cleanup equipment available, Tier 1 inspections, 90-Day Area controls, storing in different location	N	1	4	2	2	16								

EENS Job Risk Assessment

				Before Additional Controls						After Additional Controls						
Job Step / Task	Hazard	Control(s)	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
	Combustion, fire or explosion of hazardous materials	Procedures, compliance with regulations, training, CMS inventory, MSDS, volume controls, PPE as required, locked or controlled areas, postings, labeling, proper containers, segregation, spill cleanup equipment available, Tier 1 inspections, 90-Day Area controls, fire extinguisher	N	1	4	3	2	24								
Hazardous material handling/transfer (adding or removing waste) in satellite and 90-day areas	Overexertion injuries caused by excessive lifting, pushing, pulling, holding, carrying	Training, PPE as required, work planning (e.g. ESR/WP), appropriate tools/lifting devices such as hand trucks, assistance as appropriate	N	1	4	3	2	24								
Further Description of Controls Added to Reduce Risk:																
*Risk:	0 to 20 Negligible	21 to 40 Acceptable	41 to 60 Moderate					61 to 80 Substantial			81 or greater Intolerable					